



Submittal-Airy 20K 1-Way Cassette

Job name:		Submitted by:	
Location:		Submitted to:	
Engineer:		Unit tag:	
Date:		Drawing number:	

Warranty information

Standard 7 years parts & compressor
Registered 12 years parts & compressor
Terms and conditions apply

Type

Energy Star Heat Pump

Cold Climate Energy Star Heat Pump

Model numbers

Indoor: KM20XK1DI

Outdoor: KW18XQ29S1DO

Capacity range

Output (BTU/H)	Minimum	Rated	Max	Certification		
Cooling:	3700	19000	21300	AHRI NO.	Energy Star	nep
Heating:	5000	18500	24560	218693834		

Heating performance

Output (BTU/H)	Minimum	Rated	Max	Efficiency Ratings	
47F (8.3C)	5000	19500	24560	SEER2	20
17F (-8.3C)	9800	15500	19303	HSPF2	9.2
5F (-15C)	7850	15000	15000	EER (W/W)	3
				COP (W/W)	4

Outdoor temperature range

Cooling:	-29-50C	-20-122F	Electrical	
Heating:	-30-30C	-22-86F	Power supply	208-230V/60Hz/1Ph
			Min/Max voltage	187-253Vac

Condenser specifications

Connecting type	Screw Connection	MCA	20A
Liquid line size	1/4in (6mm)	MOP	25A
Gas line size	5/8in (16mm)	Power Supply Wire	12/3 AWG
pre-charge length	24.6ft (7.5M)	Interconnecting Wire	14/4 AWG

MIN. Refrigerant Pipe Length	10 ft (3M)	Features:	
MAX. Refrigerant Pipe Length	131ft (40M)	Electronic expansion valve	
MAX. Vertical Height difference (total)	82 ft (25M)	Rotary compressor	
Refrigerant Type	R-32	Basepan heater	
Factory Charge	47oz	Compressor electric heater	
Additional Charge	0.4 oz/ft	Weight	
Sound Pressure Level	59dB (A)	Gross weight:	104.7Lbs (47.5Kg)
		Net weight:	94.8Lbs (43Kg)



R32

20 Inverter



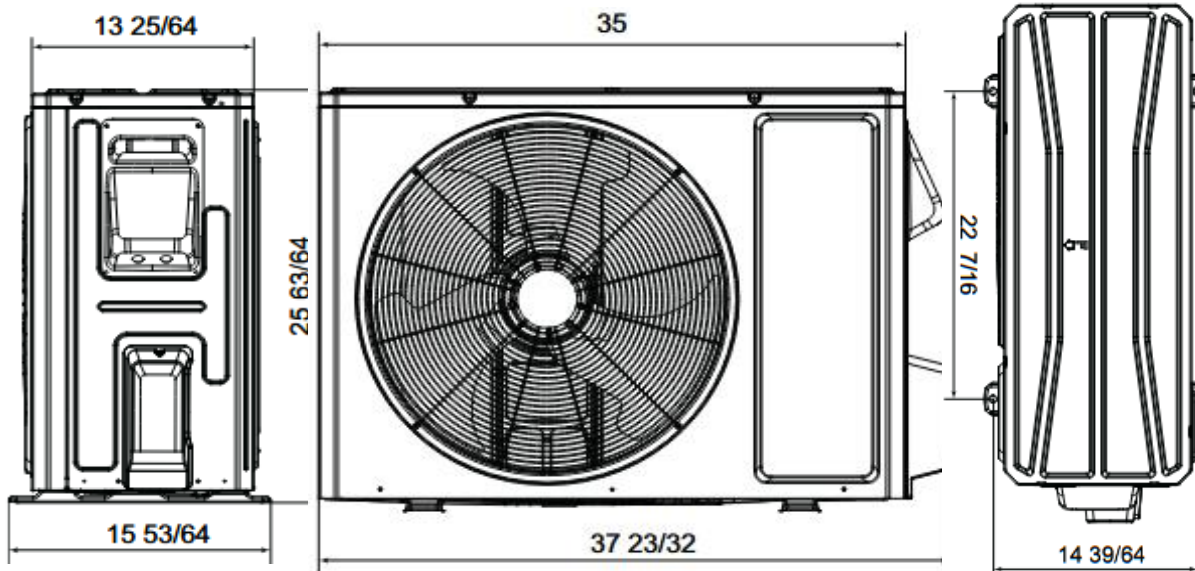
AHRI



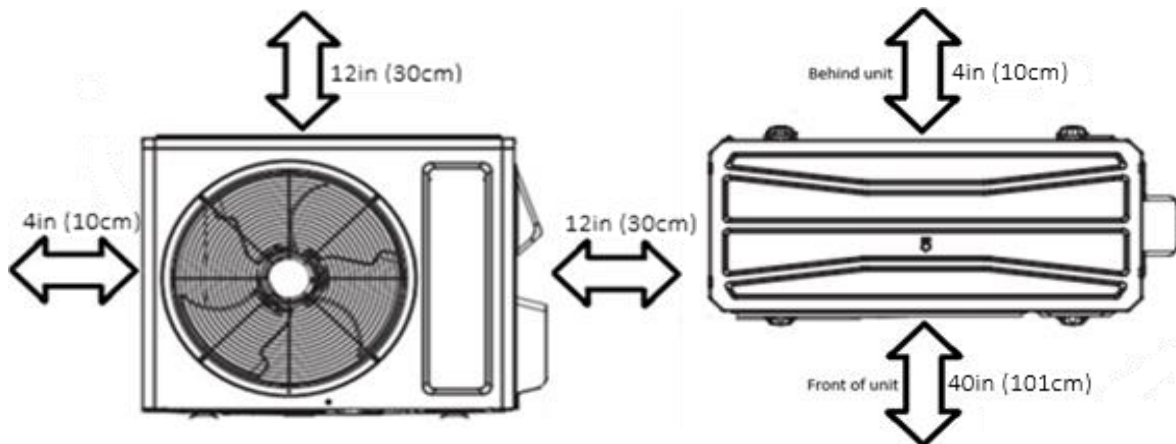
Outdoor unit Dimensions

Unit: inch

KW18XQ29S1DO



Minimum outdoor unit clearances



Unit must be placed a minimum 18in (45cm) above any surfaces to allow for snow clearance and defrost runoff.

Please follow local best practices and guidelines.

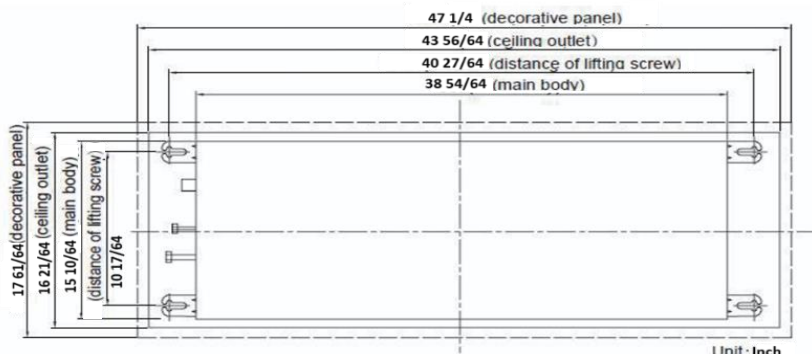


Indoor unit specifications

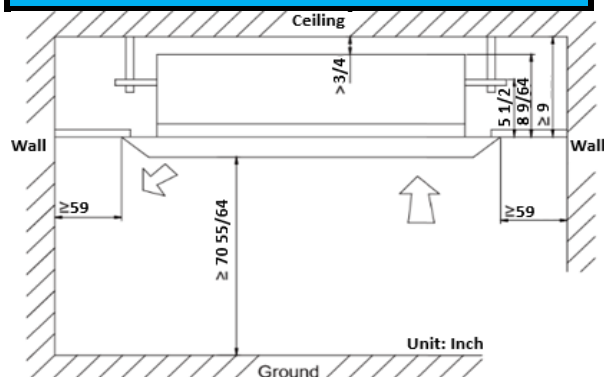
1-Way Cassette KM20XK1DI			
Air flow volume			dB (A)
Turbo	441 CFM	750 m3/h	46
High	383 CFM	650 m3/h	43
Med-high	n/a	n/a	n/a
Medium	324 CFM	550 m3/h	40
Med-low	n/a	n/a	n/a
Low	294 CFM	500 m3/h	36
Sleep	n/a	n/a	n/a

Net weight:	44.1 Lbs	Gross weight:	59.5 Lbs
	20 Kg		27 Kg
Included:	Infrared remote YBE1FB5F		
Dehumidification level:		4.23 pt/hr	
Optional Accessories			
24V interlock wired controller:		XE71-00/E	
Wired controller:		XE71-44G	
Embedded wired controller:		XE74-44E	
Embedded WIFI wired controller		XE72-44E	

Indoor unit Dimensions



Minimum indoor unit clearances



Power supplied by outdoor unit	
Additional Information	
Connection method	Screwed
Liquid pipe	1/4in (6mm)
Gas pipe	1/2in (12mm)
Drain pipe (Outer Diameter)	1in (26mm)
Panel Net Weight	9.2 Lbs (4.2Kg)
Panel Gross Weight	13.2 Lbs (6Kg)

Included Features

Self Clean	8C heating	I-feel	Water Pump	Soft start	Forced Defrost
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